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SHEET 1 OF 4

FORM PTO-1449 (Rev. 2-32)	RATE PARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. TER-002-3P	SERIAL NO. 08/895,612	
INFORMATION DISCLOSURE STRTEMENT BY APPLICANT		RPPLICANT RAKIB		
(USI	: SEUERAL SHEETS IF NECESSARY)	FILING DATE July 16, 1997	GROUP unknown	

U.S. PRYENT DOCUMENTS

EHRMINER INITIBL		ODCUMENT MARKE DATE MAME		NEME	CLASS	CLASS SUB	FILING DATE IF APPROP.
145	A	5,442,627	Aug. 15, 1995	Viterbi, et al.	370	22	Jun. 24, 1993
nes	В	5.452,328	Sep. 19, 1995	Rice	375	210	Jul. 30, 1993
res	C	5,090,024	Feb. 18, 1992	Vander Mey, et al.	375	1	Aug. 23, 1989
res	D	4,933,930	Jun. 12, 1990	Lien et al.	370	18	Oct. 31, 1988
RUS	E	5,448,555	Sep. 5, 1995	Bremer et al.	370	20	Jun. 14, 1993
ecs.	F	5,404,570	Apr. 4, 1995	Charas et al.	455	22	Nov. 23, 1992
us	G	5,440,585	Aug. 8, 1995	Partridge, III	375	261	Jun. 14, 1993
nes	Н	4,723,164	Feb. 2, 1988	Nienaber	358	148	Jun. 28, 1985
nis(11	5,418,813	May 23, 1995	Schaffner et al.	375	205	Dec. 6, 1993
NS	J	4,926,130	May 15, 1990	Weaver	328	14	Jan. 19, 1988
145	K	5,224,122	Jun. 29, 1993	Bruckert	375	1	Jun. 29, 1992
KLS	L	5,325,394	Jun. 28, 1994	Bruckert	375	1	Mar. 3, 1993
us	М	4,773,066	Sep. 20, 1988	Kirkman	370	85	Apr. 15, 1986
Res	N	4,912,721	Mar. 27, 1990	Pidgeon Jr., et al.	375	1	Apr. 29, 1988
LL(0	5,235,619	Aug. 10, 1993	Beyers, II et al.	375	38	Mar. 20, 1990

FOREIGN PRIENT DOCUMENTS

EHRMIN		DOCUMENT NUMBER	PUB. DATE	COUNTRY	CFB22	SUBCLASS	TRANS	LATION
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US	P	PCT/US95/10899	Mar. 21, 1996	PCT			X	
RIS	a	PCT/US95/04329	Oct. 26, 1995	PCT			X	
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RCS	T	Westlaw Dialog Search
rcs	U	R. De Gaudenzi et al., "Performance Evaluation of Quasi-Synchronous Code Division Multiple Access (QS-CDMA) for Satellite Mobile Systems," GLOBECOM '90: IEEE Global Telecommunications Conference, 1800-1804. (04/1990)

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EXAMINER: Initial If citation considered, whether or not citation is in conformance with MPEP 689; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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SHEET 2 OF 4

FORM PTO-1449 (Rev. 2-32)	U.S. DEPTHTMENT OF COMMERCE PHTENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. TER-002.3P	SERIAL NO. 08/895,612
INF	DRMATION DISCLOSURE TEMENT BY APPLICANT	APPLICANT RAKIB	
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RS	A	4,811,365	Mar 7, 1989	Manno	375	107	Nov 7, 1986
NS	В	5,425,027	Jun 13, 1995	Baran	370	69.1	Jan 4, 1993
NS	С	4,688,210	Aug 18, 1987	Eizenhofer, et al.	370	335	Mar 18, 1986
Nes	D	5,539,730	Jul 23, 1996	Dent	370	320	Jan 11, 1994
ncs	E	5,533,013	Jul 2, 1996	Leppanen	370	206	Apr 11, 1995
nes	F.	5,481,533	Jan 2, 1996	Honig, et al.	375	206	May 12, 1994
nes	G	5,390,166	Feb 14, 1995	Rohani, et al.	370	335	Jul 14, 1993
KLS	Н	5,363,404	Nov 8, 1994	Kotzin, et al.	370	352	Jul 13, 1993
MS	Ti	5,345,439	Sep 6, 1994	Marston	. 370	18	Apr 23, 1993
RCS	J	5,347,304	Sep 13, 1994	Moura, et al.	348	12	Jul 28, 1993
us	K	4,475,208	Oct 2, 1984	Ricketts	375	1	Jan 18, 1982
res	1	4,635,274	Jan 6, 1987	Kubota	375	1	Apr 25, 1985
RCS	М	5,463,660	Oct. 31, 1995	Fukasawa, et al.	375	205	Aug. 3, 1994
Les	N	5,442,662	Aug. 15, 1995	Fukasawa, et al.	375	205	Jun. 16, 1994
NGS	0	5,414,699	May 9, 1995	Lee	370	18	Sep. 27, 1993

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Nics	T	R. Lupas et al., "Linear Multiuser Detectors for Synchronous Code Division Multiple Access Channels," IEEE Transactions on Information Theory, Vol. 35, Issue 1, pgs. 123-136. (01/1989)
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FORM PTO-1449 (Rev. 2-32)	U.S. DEFRAMMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. TER-002.3P	SERIAL NO. 08/895,612
IN	INFORMATION DISCLOSURE STRIEMENT BY RPPLICANT		
	SEDERAL SHEETS IF NECESSARY)	FILING DATE July 16, 1997	GROUP unknown

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EBBMINI	ER	DOCUMENT NUMBER	DATE	MRME	CLASS	CLASS SUB	FILING DATE IF APPROP.
RCS	Ā	5,345,472	Sep. 6, 1994	Lee	375	1	'Aug. 2, 1993
RCC	В	5,297,162	Mar. 22, 1994	Lee, et al.	375	1	Jun. 4, 1993
nc.	C	5,327,455	Jul. 5, 1994	De Gaudenzi, et al.	375	1	Mar. 18, 1993
RCS	D	5,319,634	Jun. 7, 1994	Bartholomew, et al.	370	18	Oct. 7, 1991
115	E	5,416,797	May 16, 1995	Gilhousen, et al.	375	705	Jan. 24, 1992
KIS	F	4,554,579	Nov. 19, 1985	Citta	358	86	Sep. 6, 1984
ILCS	G	4,553,161	Nov. 12, 1985	Citta	358	86	Sep. 6, 1984
KLS	Н	5,231,664	Jul. 27, 1993	Bestier, et al.	380	20	Nov. 14, 1991
NS	i i	5,239,557	Aug. 24, 1993	Dent	371	1	Apr. 10, 1992
KU	J	4,460,992	Jul. 17, 1984	Gutleber	370	19	Nov. 4, 1982
105	К	5,363,403	Nov. 8, 1994	Schilling, et al.	375	1	Apr. 22, 1993
11.55	L	4,470,138	Sep. 4, 1984	Gutleber	370	18	Nov. 4, 1982
MS	М	5,394,391	Feb. 28, 1995	Chen, et al.	370	18	Oct. 15, 1992
RCS	N	5,442,625	Aug. 15, 1995	Gitlin, et al.	370	18	May 13, 1994
RCC	0	5,233,630	Aug. 3, 1993	Walf	375	67	May 3, 1991
RIS	P	4,757,460	Jul. 12, 1988	Bione, et al.	364	514	Jun. 14, 1985
265	a	5,235,615	Aug. 10, 1993	Omura	375	1	Jul. 21, 1992
1115	R	5,373,502	Dec. 13, 1994	Turban	370	18	Mar. 25, 1993
us	s	5,353,300	Oct. 4, 1994	Lee, et al.	375	1	Jun. 7, 1993
Kes	T	5,193,094	Mar. 9, 1993	Viterbi	371	43	Mar. 7, 1990
RLS	U	5,359,624	Oct. 25, 1994	Lee, et al.	375	1	Jun. 7, 1993
KS	V	5,309,474	May 3, 1994	Gilhousen, et al.	375	1	Mar. 27, 1992
ucs	w	5,280,472	Jan. 18, 1994	Gilhousen, et al.	370	18	Mar. 9, 1992
Los	X	5,313,454	May 17, 1994	Bustini, et al.	370	13	Apr. 1, 1992
Res	Y	5,467,342	Nov. 14, 1995	Longston, et al.	370	17	Oct. 5, 1994
ucs	Z	5,305,308	Apr. 19, 1994	English, et al.	370	32.1	Oct. 29, 1992

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SHEET 4 OF 4

FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PRIENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. TER-002.3P	SERIAL NO. 08/895,612	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		RPPLICANT RAKIB		
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EHRMIN	ER	DOCUMENT NUMBER	DATE	NRME	CLASS	CTU22 208	FILING DATE IF APPROP.
RES	A	4,748,681	May 31, 1998	Schmidt	455	33	Apr. 28, 1986
RCC	В	5,295,152	Mar. 15, 1994	Gudmundson, et al.	375	1	Apr. 10, 1992
KCI	C	5,442,700	Aug. 15, 1995	Snell, et al.	380	15	Sep. 22, 1994
RIS	D	5,557,316	Sep. 17, 1996	Hoarty, et al.	348	7	Sep. 29, 1994
Ris	E	5,511,067	Apr. 23, 1996	Miller	370	18	Jun. 17, 1994
RUS	F	5,398,258	Mar. 14, 1995	Su, et al.	375	200	Oct. 26, 1993
MS	G	5,583,853	12/10/1996	Giallorenzi, et al.	370	441	11/28/95
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FORM PTO-1449 (Rev. 2-32)	B.S. DEPARTMENT OF COMMERCE PRIENT AND TRADEMARK OFFICE	ATTY, DOCKET NO. TER-002.3P	SERIAL NO. 08/895,612
IN	FORMATION DISCLOSURE TEMENT BY APPLICANT	RPPLICANT RAKIB, et al.	٠
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105	A	5,488,412	Jan 30, 1996	Majeti, et al.	348	10	Mar 31, 1994
100	В	5,512,935	Apr 30, 1996	Majeti, et al.	348	9	Mar 31, 1994
1/5	C	5,534,913	Jul 9, 1996	Majeti, et al.	348	7	Mar 31, 1994
res	D	5,586,121	Dec 17, 1996	Moura, et al.	370	404	Apr 21, 1995
LCS	E	5,594,872	Jan 14, 1997	Kawano, et al.	395	200.15	Apr 26, 1994
KS	F	5,608,446	Mar 4, 1997	Carr, et al.	348	6	May 9, 1995
us	G	5,608,728	Mar 4, 1997	Ulm, et al.	370	488	Apr 13, 1995
HCS	Н	5,619,531	Apr 8, 1997	Taylor, et al.	375	222	Nov 14, 1994
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FORM PTO-1- (Rev. 2-32)	149 PATENT AND T	ENT OF COMMERS	CE RIT	Y. DOCKET 1 1-002.3P	٧٥.	SERIAL NO. 08/895,612
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EXAMIN	EA	ODCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
W	A	5,499,236	Mar 12, 1998	Giallorenzi, et al.	370	18	Aug 16, 1994
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FORM PTO-1449 U.S. SPARTMENT OF COMMERCE (Rev. 2-32)	ATTY. DOCKET NO. TER-002-2P	SERIAL NO. 08/684.249FCFU
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT RAKIB, et al.	APR 2 5 300
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EHAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	CLASS	FILING DATE IF RPPROP.
RUS	IA	5,751,739	May 12, 1998	Seshadri, et al.	. 371	43	Apr. 29, 1994
MS	В	4,218,654	Aug. 19, 1980	Ogawa, et al.	370	97	Feb. 21, 1979
MS	C	5,072,445	Dec. 10, 1991	Nawata	370	104	Nov. 30, 1989
ris	10	5,617,410	Apr. 1, 1997	Matsumoto	370	342	Mar. 15, 1995
RUS	E	5,712,982	Jan. 27, 1998	Marcel	395	200.17	Sep. 20, 1995
pcs	F	5,745,484	Apr. 28, 1998	Scott	370	347	Jun. 5, 1995
NI	G	5,761,198	Jun. 2, 1998	Kojima	370	337	Sep. 22, 1995
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SHEET 1 OF Technology Conter 2600 SERIAL NO. ATTY. DOCKET NO. DEPARTMENT OF COMMERCE FORM PTD-1449 08/684,243 PATENT AND TRADEMARK OFFICE TER-002.2P (Rev. 2-32) APPLICANT INFORMATION DISCLOSURE RAKIB, et al. STRTEMENT BY APPLICANT FILING DATE GROUP 07/19/96 2711 (USE SEVERAL SHEETS IF NECESSARY)

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RUS	A	Re. 35,774	Apr. 21, 1998	Moura, et al.	348	12	Nov. 16, 1994	
RUS	В	4,829,569	May 9, 1989	Seth-Smith, et al.	380	10	Jul. 8, 1986	
RLS	c	4,894,789	Jan. 16, 1990	Yee	364	521	Feb. 22, 1988	
M	D	5,093,718	Mar. 3, 1992	Hoarty, et al.	358	84	Sep. 28, 1990	
res	E	5,130,983	Jul. 14, 1992	Heffner, III	370	85.8	Mar. 27, 1990	
RUS	F	5,133,079	Jul. 21, 1992	Ballantyne, et al.	455	4.1	Aug. 28, 1990	
1.US	G	5,195,092	Mar. 16, 1993	Wilson, et al.	370	94.2	Aug. 30, 1991	
KU	H	5,200,993	Apr. 6, 1993	Wheeler, et al.	379	96	May 10,1991	
Kis	Ti.	5,247,347	Sep. 21, 1993	Litteral, et al.	358	85	Sep. 27, 1991	
MS.	J	5,373,288	Dec. 13, 1994	Blahut	340	825.08	Oct. 23, 1992	

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FORM PT0-1449 (Rev. 2-32)	PRIENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. TER-002-2P	SERIAL NO. 08/684,243		
INF	ORMATION DISCLOSURE TEMENT BY APPLICANT	RPPLICANT RAKIB, et al.			
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EHAMINE	1	DOCUMENT NUMBER	ORTE	NAME	CLASS	CT 422	FILING DATE IF APPROP.
5//	A	5,408,465	Apr. 18,1995	Gusella, et al.	370	17	Jun. 21, 1993
nel	В	5,550,578	Aug. 27, 1996	Hoarty, et al.	348	.7	Oct. 6, 1994
nr(C	5,572,517	Nov. 5, 1996	Safadi	370	50	Mar. 10, 1995
	Ď	5,572,528	Nov. 5, 1996	Shuen	370	85.13	Mar. 20, 1995
165	Ē	5,828,655	Oct. 27, 1998	Moura, et al.	370	236	Aug. 21, 1996
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SERIAL U.S. DEPARTMENT OF COMMERCE ATTY. DOCKET NO. FORM PT0-1449 TER-002.2P 08/684,243 PRTENT AND TRADEMARK OFFICE (Rev. 2-32) **APPLICANT** INFORMATION DISCLOSURE STRTEMENT BY APPLICANT RAKIB, et al. GROUP FILING DATE

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RUS	T _A	5,157,686	Oct. 20, 1992	Omura, et al.	375	1	Jun. 24, 1991
Ris	В	5,164;958	Nov. 17, 1992	Omura	375	1	Jul. 19, 1991
MS	С	5,166,952	Nov. 24, 1992	Omura, et al.	375	1	May 24, 1990
RUS	D	5,253,268	Oct. 12, 1993	Omura, et al.	375	1	Jun. 24, 1991
14	E	5,737,329	Apr. 7, 1998	Horiguchi	370	342	Apr. 12, 1996
NS	F	5,930,235	Jul 27, 1999	Arai	370	252	Feb. 2B, 1997
Res	G	5,822,359	Oct. 13, 1998	Bruckert, et al.	375	200	Oct. 17, 1994
NS	Н	5,610,911	Mar. 11, 1997	Ishikawa, et al.	370	503	Sep. 28, 1994
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FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. TER-002-2P	SERIAL NO. 08/684,243 97
INFO	DRMATION DISCLOSURE EMENT BY APPLICANT	APPLICANT RAKIB, et al.	2800
	SEVERAL SHEETS IF NECESSARY)	FILING DATE July 19, 1996	GROUP 2602

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OTHER DOCUMENTS (Including Ruthor, Title, Date, Pertinent Pages, Etc.)

EHBMINE JAITINI	A	
RCS	S	*A Wireless Multimedia Network on a Time Division Duplex CDMA/TDMA*, Seki K. et al., IEICE Transactions on Communications, vol. E78-B, no. 7, 1 July 1995, pages 1002-1015.
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